220/230/240V

APC
Legendary Reliability®

Server and Network Power Solutions

Smart-UPS®

Performance power protection
for servers and networks

Reliability

Line-interactive design

Sine wave output = premium, safe power

Network-grade line conditioning

Automatic self-test

Interface communications port

Lightning/surge protection

ASIC's technology

Availability

AVR Boost brownout protection

AVR Trim over-voltage protection

CellGuard™ intelligent battery management

Battery replacement warning

Quick Swap™ hot-swappable batteries

Automatic Transfer Switch for mirrored UPS power protection

ProtectNet™ for network surge protection

SmartSlot™ Accessories

Manageability

PowerChute® Business Edition Management Software

Multiple OS Support

Network Management System Integration via SNMP traps

Built-in SmartSlot for Enhancement Cards

Load, Power and Voltage Metered Displays

LED Displays

Audible Alarms

Warranty & Approvals

2 year warranty

CE, C-tick, EN 50091-2, EN 50091-1 GOST, PCBC, VDE

Designed for Windows 2003

Novell labs approved

ISO9002 and ISO14001 certified manufacturing facilities

Global Service Programs

On-Site Service

Extended Warranty

Start-UP Service

Needs Assessment Service

See specification tables for model details.

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New Solutions for Servers and Networks

Designed for Windows Server 2003

APC has made integrating its Smart-UPS® family into the Windows Server 2003 environment easy by obtaining the "Designed for Windows Server 2003" logo. APC has collaborated with Microsoft to develop the native UPS shutdown management built into Microsoft's latest offering, Windows Server 2003. Additionally, APC's PowerChute® Business Edition software is included with APC's Smart-UPS and is fully compatible with Windows Server 2003.

Smart-UPS 2200 and 3000 VA 2U Rack Mount

Density optimized to occupy only 2U of valuable rack space, these models provide up to 2700 watts of power, making them an ideal solution for rack optimized servers, server blades, and storage devices.

Smart-UPS 750 and 1000 VA 1U Rack Mount

Power protection for rack-mounted business-critical servers for deployment in a distributed power protection architecture where rack U space is at a premium.

Smart-UPS 750 and 1000 VA Extended Run Towers

With unlimited runtime scalability, these new models deliver computer grade power to ensure the availability of computing, telecom, voice-over-IP (VoIP), and other business-critical networking equipment during prolonged power disturbances

Smart-UPS 5000 VA 5U Rack Mount Extended Run

The rack-mountable UPS offers a full 4,000 watts of power and scalable extended runtime. This compact UPS system also offers comprehensive remote monitoring capabilities with APC's Network Management Card EX pre-installed. Provides performance power protection for single or multiple racks of business-critical equipment, such as servers, networking VoIP and other telecom systems.

Complete Power Protection

Reliability—Availability—Manageability: The three essential requirements when choosing power protection for your systems.

Reliability: Consistent Delivery of Dependable Performance

Line-interactive design delivers unmatched performance and reliability

Innovative line-interactive design uses the DC to AC power inverter "in reverse", like a battery charger, during normal operation, providing greater performance and efficiency.

Sine-wave output

APC Smart-UPS sine-wave output provides assurance of compatibility with all loads. (Does not apply to SU420INET/SU620INET models)

Network-grade line conditioning prevents glitches

Full time EMI/RFI filters prevent line noise from causing data errors. Smart-UPS meets Novell and Microsoft's approval for network protection, without the need for additional external conditioners.

Lightning and surge protection protects hardware

When measured via ANSI/IEEE 587 Category "A" and "B" tests, the suppression performance of the APC Smart-UPS is superior to virtually all separate surge suppressors.

Pre-failure diagnostics

Smart-UPS continuously monitors its health and proactively informs you of the results via Web, SNMP, e-mail or paging.

Automatic self-test

All APC Smart-UPS initiate a self-test when power is turned on and every 2 weeks, as well as at the push of a button and at pre-determined times (using software). This ensures that you will be alerted of failing batteries before they wear out.

Smart-UPS XL offers N+1 batteries for redundancy and fault tolerance

The Smart-UPS XL's external battery packs run in parallel with the internal batteries providing redundancy and higher fault tolerance.

Graceful, unattended shutdown

In the event of an extended power outage PowerChute Business Edition, the Smart-UPS management software, automatically performs a graceful unattended shutdown. This software solution provides communciation between the UPS and the server via an included communciations cable. Power failures can occur at night, on weekends or while the system administrator is out of the building, making automatic, safe shutdown critical. Smart-UPS provides unattended, safe shutdown of many operating systems, including Microsoft Windows Server 2003, NT/2000/XP, Novell Netware, Linux and SCO Unixware (other OSs available separately). By using PowerChute Business Edition software you can manage and diagnose power problems.

Availability: Minimize Downtime, Maximizing Performance and Uptime

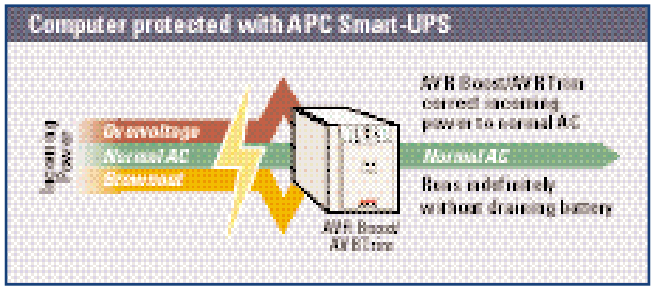
Automatic Voltage Regulation

AVR Boost automatically corrects brownout conditions

Allows you to work through brownouts without unnecessary battery drain. AVR boost automatically steps low voltage up to safe output levels.

AVR Trim automatically corrects overvoltage conditions

Allows you to work through over voltages without unnecessary battery drain. AVR Trim automatically steps high voltage down to safe output levels.



Intelligent Battery Management

CellGuard means longer battery life

Improved reliability results from a precision battery charging system and automatic true-load battery tests. Redundant over-charge protection contributes to longer battery life. AVR Boost and AVR Trim regulate under voltages and over-voltages without switching to battery.

Battery Replacement Warning prevents downtime

APC Smart-UPS automatically performs a self-test every two weeks. This ensures you will be alerted to failing batteries before they wear out. You can perform self-tests anytime, through software or the push of a button.

Faster Recharge Time

The APC Smart-UPS battery charging system is microprocessor-controlled to precisely charge batteries in less time than legacy UPS systems. This makes your system available more quickly for subsequent power disturbances.

Extended Runtime

The Smart-UPS XL allows scalable runtimes through the addition of external battery packs, creating customized availability solutions.

QuickSwap™

The 60 second, user-friendly, hot-swappable battery replacement system

Saves the time and expense of returning the UPS to the factory for battery service and allows safe and easy replacement of batteries while your system is up and running. Replacement battery kits ship in a reusable box for convenient return of exhausted batteries to a recycling center or to APC.

Prevent Downtime

Predict failures

By periodically conducting self-tests and other diagnostics, Smart-UPS can warn you of failures before they happen. For example, Smart-UPS will proactively notify you 6-8 weeks in advance of a needed battery replacement.

Deliver diagnostic data

Smart-UPS constantly monitors its health and delivers the results via Web, SNMP, e-mail, or paging.

Management Accessories Increase Availability

APC Smart-UPS® are equipped with a built-in SmartSlot, allowing you to employ various UPS enhancement cards to customize the management of your APC Smart-UPSs. These optional management accessories allow you to perform a variety of functions such as monitoring ambient temperature and working with Emergency Power-Off systems. *(For these and other Management Tools see page 10.)*

Redundant Power Cord Support

Using the APC Network Management Card with PowerChute Network Shutdown, multiple Smart-UPS units can coordinate shutdown of redundant power corded servers, thus providing a highly available 2N UPS solution.

ProtectNet™ increases availability

ProtectNet increases the availability of your systems by protecting your wiring and cabling from "back-door" surges and spikes, which cause system downtime and equipment damage. *(For more information, visit* www.apc.com/products/protectnet*)*

Manageability: Customized Control and Status

Informative LED Display provides status at a glance

Instantly assess the status of your power and APC Smart-UPS without even pushing a button. Bar meters and status indicators are simple to use and easy to understand. Visible and audible alarms alert you of fault conditions.

Load, Power and Volt Meters keep you in control

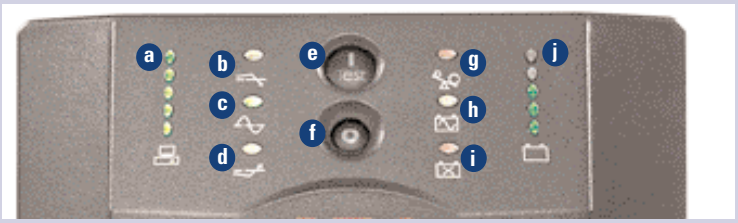
The Load Meter* reports the amount of power being drawn, preventing you from exceeding UPS capacity. The Volt Meter* reports utility line voltage and battery capacity, allowing you to gauge how much time you have before batteries are depleted. An alarm sounds when batteries are low, allowing you time to save data and shut down the system.

Alarms

Audible alarms alert you of changes in operating environment and battery conditions. Some alarms are software configurable. Most can also be suppressed or delayed, to eliminate unwanted noise.

USB Compatible

The new Smart-UPS (SUA Models) are compatible with the native Windows 2000/XP, and Windows Server 2003 USB and serial Power Options out-of-the-box. For advanced level manageability, full PowerChute Business Edition should be installed. As a charter member of the USB Implementers Forum and Microsoft partner, APC has played a significant role in defining USB specifications for power devices.



a **Load Display*-** Shows the power being drawn by the load and prevents you from exceeding capacity.

b **AVR Trim LED*-** LED lights up when the UPS is correcting a high utility voltage condition.

c **On-line LED-** LED lights up when the UPS is supplying utility power to the loads.

d **AVR Boost LED*-** LED lights up when the UPS is correcting a low utility voltage condition.

e **On/Test Button-** Turns on the UPS and activates the UPS self-test and utility line voltage displays.

f **Off Button-** Turns off the UPS and the load. Specifically designed to prevent accidental shutdowns.

g **Overload LED-** LED lights up and alarm sounds when the load connected to the UPS exceeds capacity.

h **On-Battery LED-** LED lights up and alarm sounds when the UPS is supplying battery power to the load.

i **Replace Battery LED-** LED lights up and alarm sounds when the UPS battery is nearly dead and must be replaced (typically within 30 days).

j **Battery Charge/Line Voltage Display*-** Displays both present battery charge as a percentage of battery capacity and utility line voltage. Alarm sounds upon low battery condition.

APC PowerChute Business Edition
UPS management and safe system shutdown for servers and workstations.

PowerChute Business Edition enables you to simultaneously monitor up to 5 UPSs protecting servers or workstations. In the event of an extended power outage graceful unattended shutdown ensures no information is lost and time to recovery is minimized. Advanced notification and analysis features help you to identify the causes of potential UPS and power related problems before they occur ensuring the health of your system.

- **Fault Notification**
  Notification of critical issues via email/pager or SNMP, ensures crucial situations are dealt with in a timely manner
- **Recommended Actions**
  Reduces the need for training, ease deployment, and speed troubleshooting.
- **Power Event Summary**
  Quickly identify unusual or chronic power situations.
- **Network Management**
  System Integration Forward SNMP traps (events) to your preferred network management system allowing you to manage your APC device from a single system

PowerChute Business Edition Deluxe 25 Node Version also available. See page 10 for additional management solutions.

Built-in SmartSlot Provides Enhancement Options.

APC Smart-UPS® are equipped with a built-in SmartSlot, allowing you to employ various UPS enhancement cards to customize the management of your APC Smart-UPSs. APC's UPS enhancement cards plug directly into the back of your UPS and are powered by the UPS, even when the UPS is in "sleep" mode. These optional management accessories allow you to perform a variety of functions such as monitoring ambient temperature and working with Emergency Power-Off systems. *(For these and other Management Tools see page 10)*

**Feature not available on SU420INET/SU620INET models*

Smart-UPS® Tower Series

Superior design, high-volume manufacturing and continuous quality enhancement give the APC Smart-UPS® line unsurpassed reliability. Award-winning APC Smart-UPS® towers are an ideal UPS for protecting business-critical fileservers (Intel or UNIX based), minicomputers, network switches and hubs, point of sale, retail/bank back office and ATMs.

				New!	New!	New!	New!	
SPECIFICATION	**SU420INET[1]**	**SU620INET[1]**	**SU700INET**	**SUA1000I**	**SUA1500I**	**SUA2200I**	**SUA3000I**	**SU5000I**
PowerChute Business Edition 5 Node Version	Support for Windows Server 2003/2000/NT 4.0, Novell Netware, Red Hat Linux, SuSE Linux, Turbolinux and Sun Solaris							
Number of SmartSlot Bays	n/a			1				2
Input Line	IEC320 C14 (10AMP)					IEC320 C20		Hardwire
Output Receptacles (IEC320 C13)	4			8		8 C13, 2 C19 & 2 Jumpers		8 C13, 2 C19 & 6 Jumpers
Maximum Dimensions (H x W x D)	168 x 119 x 368mm		157 x 137 x 358mm	216 x 170 x 439mm		432 x 196 x 546mm		439 x 229 x 665mm
Net Weight	9.1 kg	12.3 kg	13.2 kg	19.1 kg	24.1 kg	50.9 kg	55.9 kg	95.3 kg
Shipping Weight	10 kg	13.2 kg	14.5 kg	20.9 kg	26.4 kg	60.9 kg	64.6 kg	104.4 kg
Replacement Battery Cartridge	RBC 2	RBC 4	RBC 5	RBC 6	RBC 7	RBC 11		(2) RBC 12
Service Level	SB-11			SB-12		SB-13		SB-14
OPERATION	**SU420INET**	**SU620INET**	**SU700INET**	**SUA1000I**	**SUA1500I**	**SUA2200I**	**SUA3000I**	**SU5000I**
Nominal Input Voltage	230 Vac, single phase, 50 or 60 Hz (auto-selectable)							
Transfer Time (typical)	2 milliseconds, includes detection time							
AVR Boost/Trim	30% / 12%		12% / 12%	30% / 12%				12% / 12%
Default Input Voltage Range[2]	160-286 Vac		174-286 Vac	160-286 Vac				174-286 Vac
Max input voltage adjustable range for mains without battery discharge	151-302 Vac		168-302 Vac	151-302 Vac				168-302 Vac
Output Voltage Range	208-253 Vac		196-253 Vac	208-253 Vac				196-253 Vac
Capacity (Volt-Amps, Watts)	420, 260	620, 390	700, 450	1000, 670	1500, 980	2200, 1980	3000, 2700	5000, 3750
Surge energy rating, peak current	320 Joules			480 Joules, 6.5kA				
Normal, common mode clamping response time	0 ns, <5ns typical							
Normal mode surge voltage let through (IEEE 587 Cat. A 6kV test)	<0.7% of peak typical			<0.3% of peak typical				
Batteries	Sealed, maintenance-free lead acid with 3-6 year typical lifetime.							
Recharge time to 90% capacity	4.5 hours			3 hours				
Ambient Operation	3,000 meters max. elevation, 0-95% humidity non-condensing 0-40 deg. C							
Storage Conditions	15,000 meters max. -15-45 deg. C							
Audible noise at 1 meter	<45 dBA		<41 dBA		<45 dBA		<53 dBA	< 53 dBA
BTUs (hr.)	50	70	85	100	135	275	375	430

TYPICAL RUNTIME[3]

LOAD Watts	(VA)	SU420INET	SU620INET	SU700INET	SUA1000I	SUA1500I	SUA2200I	SUA3000I	SU5000I
130	200	21min	45min	54min	1hr 40min	2hr 52min	5hr 36min	5hr 36min	7hr 51min
260	400	6min	15min	21min	45min	1hr 24min	5hr 36min	5hr 36min	2hr 32min
390	600	-	-	6min	15min	33min	1hr 28min	1hr 28min	2hr 32min
520	800	-	-	-	7min	17min	52min	52min	1hr 38min
650	1000	-	-	-	-	8min	28min	28min	59min
910	1400	-	-	-	-	-	17min	17min	40min
1430	2200	-	-	-	-	-	13min	13min	31min
1950	3000	-	-	-	-	-	-	10min	20min
3500	5000	-	-	-	-	-	-	-	6min

[1] SU420INET and SU620INET also offer built-in data-line protection for RJ-45 and 10BaseT ethernet protection.

[2] Transfer points are user-adjustable using included software.

[3] Servers and other IT equipment are moving to Power Factor Corrected (PFC) power supplies of 1.0, where the power drawn in Volt-Amps (VA) is equal to Watts(W). For accurate sizing, use the watt rating of the equipment to determine the correct UPS and runtime. If the watt rating is unavailable use the Amp (A) rating and multiply by the voltage to obtain VA. For the most recent sizing information, please consult the Size-UPS section of APC's website at *www.apc.com/sizing*.

Smart-UPS® Rack-mount Series

Available in a broad range of sizes, Smart-UPS rack-mounts are easy to install and compatible with all popular rack systems. They offer an ideal solution for rack-optimized servers, server appliances, blade servers and other rack mounted network switches, hubs and gateways.

	New!	New!	New!	New!	New!	New!	New!	
SPECIFICATION	**SUA750RMI1U**	**SUA1000RMI1U**	**SUA750MI2U**	**SUA1000RMI2U**	**SUA1500RMI2U**	**SUA2200RMI2U**	**SUA3000RMI2U**	**SU5000RMI5U**
PowerChute Business Edition 5 Node Version	Support for Windows Server 2003/2000/NT 4.0, Novell Netware, Red Hat Linux, SuSE Linux, Turbolinux and Sun Solaris.							
Number of SmartSlot Bays	1							2
Input Line	IEC320 C14					IEC320 C20		Hardwire
Output Receptacles (IEC320 C13)	4 C13, 2 Jumpers					8 C13, 1C19 & 3 jumpers		(8) IEC320 C13 (2) IEC320 C19
Maximum Dimensions (H x W x D)	438x432x660mm		88.9x483x457mm			88.9x483x660mm		222x483x635mm
Net Weight	21.8 kg		21.8 kg	28.2 kg	28.6 kg	43.6 kg		93 kg
Shipping Weight	25.5 kg		25.1 kg	31.6 kg	31.9 kg	56.8 kg		102 kg
Replacement Battery Cartridge	RBC 34		RBC 22	RBC 23	RBC 24	RBC 43		(2) RBC 12
Service Level	SB12							SB14
OPERATION	**SUA750RMI1U**	**SUA1000RMI1U**	**SUA750MI2U**	**SUA1000RMI2U**	**SUA1500RMI2U**	**SUA2200RMI2U**	**SUA3000RMI2U**	**SU5000RMI5U**
Nominal Input Voltage	230 Vac, single phase, 50 or 60 Hz (auto-selectable)							
Transfer Time (typical)	2 milliseconds, includes detection time							
AVR Boost/Trim	30% / 12%							12% / 12%
Default Input Voltage Range	160-286 Vac							174-286 Vac
Max input voltage adjustable range for mains without battery discharge[1]	151-302 Vac							168-302 Vac
Output Voltage Range	208-253 Vac							196-253 Vac
Capacity (Volt-Amps, Watts)	750, 480	1000, 640	750, 480	1000, 670	1500, 980	2200, 1980	3000, 700	5000, 3750
Surge energy rating, peak current	480 Joules, 6.5kA							
Normal, common mode clamping response time	0 ns, <5ns typical							
Normal mode surge voltage let through (IEEE 587 Cat. A 6kV test)	<0.3% of peak typical							
Batteries	Maintenance-free sealed Lead-Acid with a 3-6 year typical lifetime: leakproof							
Recharge time to 90% capacity	2 hours		3 hours					
Ambient Operation	3,000 meters max. elevation, 0-95% humidity non-condensing 0-40 deg. C							
Storage Conditions	15,000 meters max. -15-45 deg. C							
Audible noise at 1 meter	<45 dBA		<36 dBA		<46 dBA	<47 dBA		<53 dBA
BTUs/hr.	130		68	89	171	300	400	430

TYPICAL RUNTIME[2]

LOAD Watts	(VA)	SUA750RMI1U	SUA1000RMI1U	SUA750MI2U	SUA1000RMI2U	SUA1500RMI2U	SUA2200RMI2U	SUA3000RMI2U	SU5000RMI5U
195	300	31min	31min	23min	1hr 4min	1hr 21min	1hr 38min	1hr 46min	4hr 39min
455	700	10min	10min	7min	24min	37min	47min	52min	2hr32min
650	1000	-	6min	-	11min	19min	30min	33min	1hr 38min
910	1400	-	-	-	-	9min	18min	20min	59min
1040	1600	-	-	-	-	-	12min	13min	40min
1430	2200	-	-	-	-	-	10min	11min	31min
1950	3000	-	-	-	-	-	-	6min	17min
3500	5000	-	-	-	-	-	-		6min

[1] Transfer points are user-adjustable using included software.

[2] Servers and other IT equipment are moving to Power Factor Corrected (PFC) power supplies of 1.0, where the power drawn in Volt-Amps (VA) is equal to Watts(W). For accurate sizing, use the watt rating of the equipment to determine the correct UPS and runtime. If the watt rating is unavailable use the Amp (A) rating and multiply by the voltage to obtain VA. For the most recent sizing information, please consult the Size-UPS section of APC's website at *www.apc.com/sizing*.

Smart-UPS® XL Series

Available in tower and rack-optimized form factors. APC's Smart-UPS XL is ideal for mission-critical applications where long term runtimes are essential. Voice-over-IP (VoIP) gateways, telephone PBXs, critical application servers and data communications links will benefit from the added availability of the XL models with additional battery packs.

Smart-UPS Availability

- **Achieving 99.999% uptime requires a UPS with a runtime of greater than one hour, or a generator.**
- **Up time levels can be dramatically enhanced by increasing the run time of your UPS from five minutes to one hour.**

	Tower Units			Rack-mount Units				
	New!	*New!*				*New!*	*New!*	*New!*
SPECIFICATION	**SUA750XLI**	**SUA1000XLI**	**SU2200XLINET**	**SU1400RMXLI3U**	**SU2200RMXLINET**	**SU2200RMXLI3U**	**SU3000RMXLI3U**	**SU5000RMXLI5U**
PowerChute Business Edition 5 Node Version	Support for Windows Server 2003/2000/NT 4.0, Novell Netware, Red Hat Linux, SuSE Linux, Turbolinux and Sun Solaris							
Number of SmartSlot Bays	1							2
Input Line Cord (1.8m line cord))	IEC320 C14		IEC320 C20	IEC320 C14	IEC320 C20			Hardwire
Output Receptacle	8 C13 & 2 jumpers		8 C13 & 1 C19			8 C13 & 1 C19 plus 3 jumpers		
Maximum Dimensions (H x W x D)	216 x 170 x 439mm		432 x 192 x 546mm	130 x 432 x 394mm	222 x 483 x 451 mm	133 x 483 x 660mm		222 x 483 x 451 mm
Net Weight	24.1 kg	27.3 kg	54.9 kg	31.8 kg	56.4 kg	56.4 kg	56.4 kg	93.2 kg
Shipping Weight	26.4 kg	29.4 kg	63.6 kg	38.6 kg	65 kg	63.2 kg	63.2 kg	102.3 kg
Replacement Battery Cartridge	RBC 7		RBC11	RBC 25	RBC 11	RBC 27		(2) RBC12
Service level	SB12		SB13	SB12	SB12	SB13		SB14
OPERATION	**SUA750XLI**	**SUA1000XLI**	**SU2200XLINET**	**SU1400RMXLI3U**	**SU2200RMXLINET**	**SU2200RMXLI3U**	**SU3000RMXLI3U**	**SU5000RMXLI5U**
Nominal Input Voltage	230 Vac, single phase, 50 or 60 Hz (auto-selectable)							
Transfer Time (typical)	2 milliseconds, includes detection time							
AVR Boost/Trim	30%/12%	12% / 12%						
Default Input Voltage Range	174-286 Vac	174-286 Vac						
Max input voltage adjustable range for mains without battery discharge[1]	168-302 Vac	168-302 Vac						
Output Voltage Range	208-253 Vac	196-253 Vac						
Capacity (Volt-Amps, Watts)	750, 600	1000, 800	2200, 1600	1400, 1050	2200, 1600	2200, 1750	3000, 2400	5000, 4000
Surge energy rating, peak current capability	320 Joules			480 Joules, 6.5kA				
Normal, common mode clamping response time	0 ns, <5ns typical							
Normal mode surge voltage let through (IEEE 587 Cat. A 6kV test)	<0.3% of peak typical							
Batteries	Maintenance-free sealed Lead-Acid battery with a 3-6 year typical lifetime: leakproof							
Recharge time to 90%	3 Hours							
Ambient Operation	3,000 m max. elevation, 0-95% humidity non-condensing; 0-40 deg C							
Storage Conditions	15,000 m max.elevation; -15 to 45 deg C							
Audible noise at 1 meter	<42 dBA		<53 dBA	<45 dBA	<53 dBA			
BTUs/hr.	100	120	305	155	275	375	375	430

TYPICAL RUNTIME IN MINUTES[2]

Load Watts[2]	VA	SUA750XLI	SUA1000XLI	SU2200XLINET	SU1400RMXLI3U	SU2200RMXLINET	SU2200RMXLI3U	SU3000RMXLI3U	SU5000RMXLI5U
300	420	51	51	122	55	122	127	127	382
600	840	17	17	52	19	52	56	56	98
800	1120	n/a	10	34	11	34	37	37	69
1400	1960	n/a	n/a	13	n/a	13	14	14	31
2000	2800	n/a	n/a	n/a	n/a	n/a	n/a	7	17
3000	4200	n/a	n/a	n/a	n/a	n/a	n/a	n/a	8
Uses Additional Battery Pack(s)		SUA24XLBP	SUA24XLBP	SU48XLBP	SU24RMXLBP2U	SU48RMXLBP	SU48R3XLBP	SU48R3XLBP	SU48R3XLBP
Ultra Extended Runtime Battery Pack		UXBP24	UXBP24	UXBP48	n/a	UXBP48	n/a	n/a	n/a

For extended runtimes refer to the table on page 9.

[1] Transfer points are user-adjustable using included software.

[2] Servers and other IT equipment are moving to Power Factor Corrected (PFC) power supplies of 1.0, where the power drawn in Volt-Amps (VA) is equal to Watts(W). For accurate sizing, use the watt rating of the equipment to determine the correct UPS and runtime. If the watt rating is unavailable use the Amp (A) rating and multiply by the voltage to obtain VA. For the most recent sizing information, please consult the Size-UPS section of APC's website at *www.apc.com/sizing.*

Smart-UPS® XL and UX Battery Packs

Long battery life

By packaging the batteries in an enclosure separate from the UPS electronics, the batteries operate at reduced temperatures. Battery life is further enhanced through CellGuard intelligent battery management with high precision FastCharge™, and automatic true-load battery tests.

APC Smart-UPS XL increases your availability with N+1 batteries

Extended battery packs running in parallel with internal batteries provide extended runtime and redundancy, if a battery should fail. Smart-UPS XL battery packs are hot-swappable so you never have to take down your mission-critical loads to service the unit.

Simple maintenance

A battery change usually requires trained service personnel or the expense of hiring an electrician. This is not the case with APC's Smart-UPS XL. The modular Smart-UPS XL allows the user to easily replace battery packs in minutes, while the protected equipment remains up and running.

Battery Packs

SPECIFICATION	SUA24XLBP/SU48XLBP/SU48BP	SU24RMXLBP2U (New!)	SU48RMXLBP	SU48R3XLBP (New!)	UXBP24/UXBP48
Maximum Dimensions (H x W x D)	8.5 x 6.7 x 17.3"	3.37 x 17 x 19"	7 x 19 x 17.8"	5.25 x 19 x 26"	12.2 x 17.6 x 29.7"
Net Weight (lbs.)	69 lb.	67 lb.	136 lb.	140 lb.	280 lb.
Shipping Weight (lbs.)	73 lb.	80 lb.	153 lb.	155 lb.	314 lb.
Replacement Battery Cartridge	RBC11	(2) RBC 26	(2) RBC11	(2) RBC 27	RBC13
Pricing Level for Service Options	SB-11	SB-12	SB-12	SB-12	SB-12

APC Smart-UPS with UX battery packs provide ultra-extended runtime for maximum uptime

APC Smart-UPS® 750XLI and 1000XLI

Extended Run Tower Models

Note: Runtimes are expressed in hours and are a function of the total load in watts. The actual VA may be determined by using the appropriate power factor of the attached load. The SUA750XLI and SUA1000XLI can accept an unlimited number of external battery packs. For the most accurate and comprehensive sizing information consult the Size-UPS section of APC's website at *www.apc.com*.

SUA750XLI/SUA1000XLI with:	1 SUA24XLBP	2 SUA24XLBP	3 SUA24XLBP	1 UXBP24	2 UXBP24
200W	5.3	9.2	13.0	17.4	35.4
400W	2.5	4.6	6.7	9.0	18.7
600W	1.5	3.0	4.4	6.0	12.6
800W[1]	1.0	2.1	3.2	4.4	9.4
[1] Does not apply to SUA750XLI.					
SU2200XLINET, SU2200XLINET with:	**1 SU48XLBP**	**2 SU48XLBP**	**3 SU48XLBP**	**1 UXBP48**	**2 UXBP48**
600W	2.2	3.6	5.0	6.5	12.2
800W	1.5	2.6	3.6	4.8	9.2
1400W	0.7	1.3	1.9	2.6	5.1

Extended Run Rack-mount Models

Note: Runtimes are expressed in hours and are a function of the total load in watts. The actual VA may be determined by using the appropriate power factor of the attached load. The UXBP48 is not rack mountable. For the most accurate and comprehensive sizing information consult the Size-UPS section of APC's website at *www.apc.com*.

SU1400RMXLI3U with:	1 SU24RMXLBP2U	2 SU24RMXLBP2U	3 SU24RMXLBP2U	8 SU24RMXLBP2U	10 SU24RMXLBP2U
300W	2.5	5.0	7.2	18.4	22.8
500W	1.5	2.9	4.3	11.2	14.0
800W	0.8	1.6	2.5	7.0	8.7
1000W	0.5	1.2	2.0	5.5	7.0
SU2200RMXLI3U, SU3000RMXLI3U, (SU5000RMXLI5U) with:	**1 SU48R3XLBP**	**2 SU48R3XLBP**	**3 SU48R3XLBP**	**8 SU48R3XLBP**	**10 SU48R3XLBP**
800W	2.0 (2.8)	3.8 (4.4)	5.5 (6.1)	14.0 (14.5)	17.5 (18.0)
1400W	1.0 (1.5)	2.0 (2.5)	3.0 (3.5)	8.0 (8.5)	10.0 (10.5)
2000W[1]	0.5 (0.9)	1.3 (1.6)	2.0 (2.3)	5.5 (5.8)	7.0 (7.3)
3000W[2]	(0.5)	(1.0)	(1.4)	(3.8)	(4.7)

[1] Does not apply to SU2200RMXLI3U

[2] Does not apply to SU2200RMXLI3U or SU3000RMXLI3U

Smart-UPS® Management Enhancements

UPS Management

PowerChute Business Edition

UPS management and safe system shutdown for servers and workstations.

- 5 Node version included with all Smart-UPS
- 25 Node Deluxe versions also available

Which version of PowerChute Business Edition is right for you?	Basic	Deluxe
Graceful, unattended system shutdown	✓	✓
Hibernation and "Shutdown and off" options*	✓	✓
Risk Assessment Summary	✓	✓
Manage up to 5 UPSs centrally	✓	✓
Get the advanced features you need		
Manage up to 25 UPSs centrally		✓
Identify periodic power disturbances		✓
Create unattended "Silent" installs for mass deployment*		✓
Discover UPSs in remote network segments		✓
Minimize time to recovery for*: - Siebel - Lotus Notes/Domino - Microsoft SQL Server™ - Microsoft Internet Information Services (IIS) - Microsoft Exchange Server		✓

*Check APC's web site at www.apc.com for specific operating system and version support information.

UPS Network Management Card.

Embedded management of UPSs protecting servers and ne working equipment.

- Connect UPS directly to the network with a dedicated IP
- Embedded technology enables the UPS to reboot hung equipment.
- Manage each APC UPS individually via web browser, telnet or SSH.
- Notification features inform you of problems as they occur.
- For protected servers, graceful unattended shutdown is provided in case of extended power outages

UPS Out-of-Band Management

Embedded management of UPSs via external modem.

UPS Interface Expanders

Safe system shutdown for up to eight servers power by one UPS.

PowerView

Handheld control panel to configure and control APC UPSs.

UPS Dry-contact Management

Control and monitor power through a dry-contact interface.

UPS Remote Power Off Interface

Immediately turns off the power output of connected APC UPSs.

Environmental Management

Environmental Management System

Network manageable device enabling comprehensive environmental management

Environmental Monitoring Card

UPS enhancement card enabling monitoring of basic environmental conditions

Sensors

Environmental and access sensors for use with APC solutions.

Environmental Monitoring Unit

Networked appliance enabling monitoring of environmental conditions.

Network-Critical Physical Infrastructure Management

InfraStruXure™ Manager

Centralized management of your APC network critical physical infrastructure.

- Get Visibility to your Network-Critical Physical Infrastructure
- Monitor to up 1000 APC UPSs and Other APC Devices
- Browser-accessible Centralized Management
- Notification of Threatening Situations
- Plan for Changes in Availability, Power, Runtime or Cooling
- Integrates into your Preferred Management System

Smart-UPS® Hardware Accessories

Hardware Accessories

4-Post Rail kit **Part# SU032A**

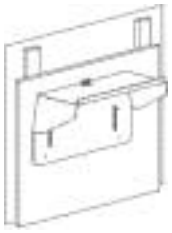
(pictured) All Smart-UPS Rack-mount models ship with rail kits, however, additional kits are available.

2-Post Rail kit **Part# AP9625**

This optional kit provides the ability to mount larger Smart-UPS models in traditional 2-post racks.

Shelf Assembly **Part# SU046**

This optional shelf is capable of supporting a 70lb load and may be used to wall-mount a Smart-UPS Tower model.



Extension Cables

SU039: Cable, 4' Extension for SU48XLBP, SU48RMXLBP, UXBP48

SU039-1: Cable, 4' Extension for SU48BP

SU039-2: Cable, 4' Extension for SU24XLBP, UXBP24

The SU039, SU039-1 and SU039-2 are four-foot battery extension cables for use with APC's 24 and 48 volt battery packs. The extension cables provide the flexibility of placing the connected batteries a maximum of five feet away from the Smart-UPS unit.

External Power Distribution Units

Basic PDU - Vertically Mounted
Part# AP7852

Provides up to 24 power outlets for rack equipment. Zero U of rack space

Input C20 (16A)
Output (20) C13, (4) C19

Metered PDU - Vertically Mounted
Part# AP7551

Monitors the aggregate power consumption via a digital display. Provides up to 24 power outlets for rack equipment and uses Zero U of rack space

Input, IEC 309 (16A)
Output (20) C13, (4) C19

Switched PDU - Vertically Mounted
Part# AP7951

Remotely control power to individual outlets and monitor the aggregate power consumption via local and remote displays. Provides up to 24 power outlets for rack equipment and uses Zero U of rack space

Input, IEC 309 (16A)
Output (20) C13, (4) C19

APC offers a full range of rack mounted PDUs, for more information go to www.apc.com.

InfraStruXure™ Type A

Integrated rack, power, and cooling architecture for server rooms, wiring closets, and other small to medium sized computing environments.

InfraStruXure Type A is an integrated rack, power, and cooling solution specifically designed for server rooms and other applications with up to 10 racks of equipment. Using plug-n-play components, you can now control what goes into your computing environment and physical infrastructure. Just one part number makes it easy to order your integrated solution. Or you can customize InfraStruXure to fit your particular needs by contacting your nearest local APC Authorized or Certified Partner.

To order InfraStruXure architecture that supports 6 racks and more, contact your local APC Authorized or Certified Partner.

To find a partner near you, use our APC Authorized or Certified Partner Locator at www.apc.com *under the* How to Buy Section.

Global Service Programs

Smart-UPS Service Recommendations

APC Smart-UPS are easy to install and maintain, but for customers who desire hands off service, APC can provide start-up and on-site services. Additionally, extended warranties are recommended for those customers who prefer to keep their UPS for extended periods of time.

Warranty Services

Extended Warranty (WEXTWAR1YR-SB-xx).

Best Endeavour On-Site Service

- Next business day on-site service
- Next day on-site service

(Minimum 20 units per location in EMEA)

Replacement Battery Cartridges

- Genuine APC replacement batteries
- Use of non-APC batteries voids APC's Equipment Protection Plan
- Free freight return of old batteries, ensures proper disposal and protection of the environment (available in the U.S.A. only)

Other Installation and Consulting Services

- Start-up Service
- Network Integration
- Needs Assessment Service (WPREP)

Awards

APC Smart-UPS Awards

2003 Recommendation of the Editor, *PC Professional Magazine* (Germany)

2003 PC Plus Gold (9 of 10 stars), *PC Plus Magazine* (Spain)

2002 Editor's Choice, *Computer Reseller News*

2002 Reader's Choice, *ComputerWorld Magazine* (Hong Kong)

2002 Best Buy, *PC World* (China)

2002 Star Performer, *Asia Computer Weekly's* Reader's Choice

2002 Best UPS, *Technology and Business* magazine (Australia)

2002 Best Line Interactive UPS, *PC Direct* (Germany)

2002 Editor's Choice and Highest Efficiency, *PC Magazine* (Greece)

2002 Editor's Choice, *01 Reseaux* (France)

2002 Recommended, *PC Open Magazine* (Italy)

2001 Best in Show Finalist, Networld and Interop

2001 Best product, *ComputerWorld* (China)

APC Corporate Awards

2003 *Fortune Magazine,* Fortune 1000

2003 *Forbes Magazine,* Forbes 500

2003 *Network World* 200, No. 52 (Network World's annual ranking of the 200 largest North American network companies)

2003 *BusinessWeek,* S&P 500

2002 *InformationWeek* 500, No. 117

APC's Manufacturing System is certified by ISO 9001 and ISO 14001 Standards

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Legendary Reliability

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Part # 996-1108H